

35. The expenditure incurred upon the formation and constitution of reserved and protected forests during the year has amounted to Rs. 54,404-10-6 :—

	Rs.	a.	p.
(1) Salaries and travelling allowances of Forest Settlement Officers not charged to forests ...	11,482	8	0
(2) Salaries and travelling allowances of establishments employed under Forest Settlement Officers and charged in the forest accounts, and the contingent expenditure of the latter ...	8,854	7	11
(3) Demarcation of forest boundaries upon the ground by the construction of special forest boundary marks...	5,527	4	4
(4) Compensation for land and rights ...	28,540	6	3
Total...	54,404	10	6

36. The work actually effected during the year, and represented by the expenditure detailed above, comprises—

- The settlement of 364 square miles at a cost of Rs. 55-14-0 per square mile;
- The demarcation of 625½ miles of forest boundary at Rs. 8-13-5 per mile, and
- The purchase of 4,416½ acres of land for forest reservation at Rs. 6-7-4 per acre.

(iii). DEMARCATION.

37. Prior to the introduction of the fourth edition of the Forest Department Code, demarcation and settlement operations used to be commented on in the administration reports under one heading; but as such operations are now required to be recorded separately, it will be sufficient to mention here, in order to avoid repetition, that demarcation was carried on simultaneously with settlement in the lands referred to in paragraphs 31 and 32.

38. From the following statement it will be noticed that the undemarcated area in this Circle is comparatively small, and, as Government have been pleased to appoint an Assistant Demarcation Officer in Thána, there is every reason to believe that the work will be pushed forward and completed by the close of the year 1893-94 :—

No.	Division.	Area demarcated.		Area undemarcated.		Total Forest area of the Division.	
		Sq. m.	a.	Sq. m.	a.	Sq. m.	a.
1	East Thána ...	207	330	379	360	587	50
2	West Thána ...	427	538	251	487	679	385
3	Surat ...	68	382	.....	.....	68	382
4	Dáangs ...	678	320	.....	.....	678	320
5	Panch Máháls ...	333	455	.....	.....	333	455
		1,716	105	631	207	2,347	312

39. In the demarcation of forest reservations in the Dáangs nothing remains to be done. The cairns erected by the Forest Demarcation Officer, 1,196 in number, were formally taken over by the Forest Department, but this was done conditionally, as it was found that some corrections will have to be made hereafter on account of the surveyors or villagers having (wilfully or not it is difficult to prove) tampered with the positions of some of the cairns. It is not easy to discover such mistakes, if mistakes they are, in a rough country; but, on their being found out, steps will be taken to set them right.

40. The Dáng reserves are now demarcated by 1,196 well-built stone cairns, having cost Rs. 3,524, or Rs. 3 each. Considering the difficulty of procuring labour in this unhealthy and secluded locality the expenditure is very reasonable.

41. In the Mándvi Range of the Surat Division it has transpired, during the year of this report, that owing to the absence of accurate maps at the time of the original demarcation, errors have been made in the emplacement of the cairns. The mistakes already discovered at the time of boundary-line clearances being so numerous that it is under contemplation to move Government to appoint a special officer for revising the old demarcation sanctioned in Government Resolution No. 6445, dated 31st August 1889.

42. In addition to the demarcation performed by the Forest Settlement Officers at the time of enquiring into claims, &c., and settling the forests, which demarcation is necessarily of a somewhat rough and partial character, the work of erecting special forest boundary marks and clearing boundary lines according to the standing orders on the subject was undertaken in all divisions. The amount of work done, together with its cost, is exhibited in the following statement:—

No.	Division.	Length of boundary lines cleared.	NUMBER OF CAIRNS ERECTED.		Stones.	Amount spent.		
			Large.	Small.		Rs.	a.	p.
1	East Thána ...	...	289	613	333	346	3	0
2	West Thána ...	...	1,134	...	...	525	10	0
3	Surat ...	67½	1,412	...	...	4,249	5	4
4	Panch Maháls ...	113½	66	1,085	...	406	2	0
Total ...		181	2,901	1,698	333	5,527	4	4

(iv). SURVEYS.

43. The work completed by a portion of No. 17 Survey Party of the Government of India working under Colonel Hutchinson in the Thána District during the year will be gathered from the following summary:—

	Square Miles.
Area triangulated ...	165
Area traversed ...	10
Area of detailed survey ...	60

44. The season's triangulation and traverse work was confined to the Váda Taluka and the detail survey to Bassein, Bhiwndi and Sálsette. All these operations were entrusted to the care of Mr. C. F. Norman; and, considering that they were carried out in three months from March to May in a hilly country covered with mixed teak and evergreen forests, the outturn of field work shown above is very satisfactory.

45. The progress made in the completion of the maps during the recess season is exhibited in the following table:—

Forest Division.	Táluka.	Scale.	Number of field sections.	Final Maps.
East Thána ...	Bhiwndi ...	8"	1	1
West Thána ...	Bassein ..	8"	14	10
West Thána ...	Sálsette ...	8"	13	7

46. The nature, extent and cost of survey operations during the two seasons ending 30th September 1892, and 1893 respectively, are given below for sake of comparison:—